

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Armstrong	Docket No.:	F2811
Serial No.:	10/773,025	Art Unit:	2629
Filed:	February 4, 2004	Examiner:	Chow, Doon Y.
For:	Image Controller		

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant wishes to bring to the attention of the Patent and Trademark Office the information noted on the enclosed form PTO/SB/08A & 08B that may be considered material to the examination of the above-identified application. Applicant believes that the Examiner has already considered the information listed on the enclosed form and requests that the information be printed on the patent that issues from this allowed application.

The present application is a continuing application that claims benefit under 35 U.S.C. § 120 to parent application 09/893,292. The Examiner of an application filed under 37 CFR § 1.53(b) will consider information that has been considered by the Office in the parent application. M.P.E.P. § 609.02. The Applicant desires that the prior art considered by the Office in the parent application information be printed on a patent issuing from the continuing application. Accordingly, the Applicant submits the attached Form PTO/SB/08A & 08B listing the information that was considered by the Office in the parent application, 09/893,292, and

requests that this information be included on the printed patent issuing from the present application.

This Information Disclosure Statement is submitted under M.P.E.P. § 609.02. No fee is believed due in connection with this filing. However, should one be deemed due, the Commissioner is hereby authorized to charge, or credit any overpayment, Deposit Account No. 50-1065.

Respectfully submitted,

June 27, 2007
Date

Michael J. Fogarty, III
Michael J. Fogarty, III
Attorney for Applicant
Reg. No. 42,541

Slater & Matsil, L.L.P.
17950 Preston Rd., Suite 1000
Dallas, TX 75252
(972) 732-1001 (phone)
(972) 732-9218 (fax)

Substitute for form 1449A/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;">(Use as many sheets as necessary)</p>			Complete if Known Application Number 10/773,025 Filing Date February 4, 2004 First Named Inventor Armstrong Art Unit 2629 Examiner Name Chow, Doon Y. Attorney Docket Number F2811	
Sheet	1	of	33	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-2,430,284	11-04-1947	Evers	
	2	US-3,296,882	01-10-1967	Durand	
	3	US-3,611,068	10-05-1971	Fujita	
	4	US-3,693,425	09-26-1972	Starita, et al.	
	5	US-3,710,050	01-09-1973	Richards	
	6	US-3,771,037	11-06-1973	Bailey	
	7	US-3,806,471	04-23-1974	Mitchell	
	8	US-3,921,445	11-25-1975	Hill, et al.	
	9	US-3,952,173	04-20-1976	Tsuiji, et al.	
	10	US-3,988,556	10-26-1976	Hyodo	
	11	US-3,993,884	11-23-1976	Kondur, et al.	
	12	US-4,099,409	07-11-1978	Edmond	
	13	US-4,133,012	01-02-1979	Takamiya, et al.	
	14	US-4,158,759	06-19-1979	Mason	
	15	US-4,164,634	08-14-1979	Gilano	
	16	US-4,216,467	08-05-1980	Colston	
	17	US-4,224,602	09-23-1980	Anderson, et al.	
	18	US-4,246,452	01-20-1981	Chandler	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ⁴ - Number ⁵ - Kind Code ³ (if known)				
	19	EP 0 835 676 A1	04-15-1998	Sega Enterprises, Ltd.		
	20	JP 61292734	12-23-1986	Hal Lab Inc.		
	21	DE 19803627	08-05-1999	Baltus Rene		
	22	EP 0295368	12-21-1988	IBM Corp.		
	23	JP 9223607	08-26-1997	Teikoku Tsushin Kogyo Co Ltd.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		Complete if Known Application Number 10/773,025 Filing Date February 4, 2004 First Named Inventor Armstrong Art Unit 2629 Examiner Name Chow, Doon Y. Attorney Docket Number F2811	
Sheet	2	of	33

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	24	US-4,268,815	05-19-1981	Eventoff	
	25	US-4,276,538	06-30-1981	Eventoff	
	26	US-4,297,542	10-27-1981	Shumway	
	27	US-4,301,337	11-17-1981	Eventoff	
	28	US-4,313,113	01-26-1982	Thornburg	
	29	US-4,314,228	02-02-1982	Eventoff	
	30	US-4,314,227	02-02-1982	Eventoff	
	31	US-4,315,238	02-09-1982	Eventoff	
	32	US-4,348,142	09-07-1982	Figour	
	33	US-4,349,708	09-14-1982	Asher	
	34	US-4,369,663	01-25-1983	Venturello, et al.	
	35	US-4,369,971	01-25-1983	Chang, et al.	
	36	US-4,385,841	05-31-1983	Kramer	
	37	US-4,406,217	09-27-1983	Oota	
	38	US-4,408,103	10-04-1983	Smith	
	39	US-4,414,537	11-08-1983	Grimes	
	40	US-4,419,653	12-06-1983	Waigand	
	41	US-4,420,808	12-13-1983	Diamond, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ⁴ - Number ⁵ - Kind Code ² (if known)				
	42	EP 663648	07-19-1995	IBM Corp.		
	43	JP 5151828	06-18-1993	Yokohama Rubber Co Ltd.		
	44	JP 4155707	05-28-1992	Yokohama Rubber Co. Ltd.		
	45	SG8095	08-16-1995			
	46	JP 6154422	06-03-1994	Namco Ltd.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>			Complete if Known Application Number 10/773,025 Filing Date February 4, 2004 First Named Inventor Armstrong Art Unit 2629 Examiner Name Chow, Doon Y. Attorney Docket Number F2811	
Sheet	3	of	33	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	47	US-4,469,330	09-04-1984	Asher	
	48	US-4,469,930	09-04-1984	Takahashi	
	49	US-4,489,302	12-18-1984	Eventoff	
	50	US-4,490,587	12-25-1984	Miller	
	51	US-4,491,325	01-01-1985	Bersheim	
	52	US-4,504,059	03-12-1985	Weinrieb	
	53	US-4,514,600	04-30-1985	Lentz	
	54	US-4,536,746	08-20-1985	Gobeli	
	55	US-4,546,347	10-08-1985	Kirsch	
	56	US-4,552,360	11-12-1985	Bromley, et al.	
	57	US-4,555,960	12-03-1985	King	
	58	US-4,573,682	03-04-1986	Mayon	
	59	US-4,604,509	08-05-1986	Clancy, et al.	
	60	US-4,609,502	08-05-1986	Thomas	
	61	US-4,615,252	10-07-1986	Yamauchi, et al.	
	62	US-4,630,823	12-23-1986	Grant	
	63	US-4,647,916	03-03-1987	Boughton	
	64	US-4,667,271	05-19-1987	Wilson	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
	65	JP 7281824	10-27-1995	Namco Ltd.		
	66	JP 9213168	08-15-1997	Teikoku Tsushin Kogyo Co Ltd.		
	67	JP 9218737	08-19-1997	Namco Ltd.		
	68	JP 9223607	08-26-1997	Teikoku Tsushin Kogyo Co Ltd.		
	69	JP 11031606	02-02-1999	Teikoku Tsushin Kogyo Co Ltd.		

Examiner Signature	Date Considered	
--------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>			Complete if Known	
Application Number	10/773,025			
Filing Date	February 4, 2004			
First Named Inventor	Armstrong			
Art Unit	2629			
Examiner Name	Chow, Doon Y.			
Attorney Docket Number	F2811			

Sheet	4	of	33
-------	---	----	----

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	70	US-4,670,743	06-02-1987	Zemke	
	71	US-4,673,919	06-16-1987	Kataoka	
	72	US-4,680,577	07-14-1987	Straayer, et al.	
	73	US-4,684,089	08-04-1987	Lely	
	74	US-4,687,200	08-18-1987	Shirai	
	75	US-4,694,231	09-15-1987	Alvite	
	76	US-4,724,292	02-09-1988	Ichikawa	
	77	US-4,733,214	03-22-1988	Andresen	
	78	US-4,745,301	05-17-1988	Michalchik	
	79	US-4,766,271	08-23-1988	Mitsuhashi, et al.	
	80	US-4,786,895	11-22-1988	Castaneda	
	81	US-4,811,608	03-14-1989	Hilton	
	82	US-4,855,704	08-08-1989	Betz	
	83	US-4,858,930	08-22-1989	Sato	
	84	US-4,866,542	09-12-1989	Shimada, et al.	
	85	US-4,866,544	09-12-1989	Hashimoto	
	86	US-4,879,556	11-07-1989	Duimel	
	87	US-4,910,503	03-20-1990	Brodsky	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ³
		Country Code ⁴ - Number ⁵ - Kind Code ⁶ (if known)				
	88	RU 2010369	03-30-1994	Smyslov		
	89	WO 9532776	12-07-1995	Fujiwara, et al.		
	90	WO 9957630	11-11-1999	Scientific Atlanta		
	91	EP 0905725	03-31-1999	Eaton Corp.		
	92	GB 2155953	10-02-1985	Permelec Electrode Ltd.		

Examiner Signature	Date Considered	
--------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/773,025	
			Filing Date	February 4, 2004	
			First Named Inventor	Armstrong	
			Art Unit	2629	
			Examiner Name	Chow, Doon Y.	
Sheet	5	of	33	Attorney Docket Number	F2811

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	93	US-4,909,514	03-20-1990	Tano	
	94	US-4,924,216	05-08-1990	Leung	
	95	US-4,933,670	06-12-1990	Wislocki	
	96	US-4,935,728	06-19-1990	Kley	
	97	US-4,962,448	10-09-1990	Demaio, et al.	
	98	US-4,975,676	12-04-1990	Greenhalgh	
	99	US-5,038,144	08-06-1991	Kaye	
	100	US-5,059,958	10-22-1991	Jacobs, et al.	
	101	US-5,065,146	11-12-1991	Garrett	
	102	US-5,068,498	11-26-1991	Engel	
	103	US-5,103,404	04-07-1992	McIntosh	
	104	US-5,116,051	05-26-1992	Moncrief, et al.	
	105	US-5,128,671	07-07-1992	Thomas	
	106	US-5,132,658	07-21-1992	Dauenhauer, et al.	
	107	US-5,139,439	08-18-1992	Shie	
	108	US-5,142,931	09-01-1992	Menahem	
	109	US-5,164,697	11-17-1992	Kramer	
	110	US-5,168,221	12-01-1992	Houston	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	111	WO 9718508	05-22-1997	Synaptics Inc.		
	112	DE 4013227	05-29-1991	Poulsom, et al.		
	113	CA 2038894	05-24-1994	Whitaker Corp.		
	114	WO 9428387	08-08-1995	Incontrol Solutions Inc.		
	115	DE 69306678 T	01-30-1997	Texas Instruments Inc.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/773,025	
			Filing Date	February 4, 2004	
			First Named Inventor	Armstrong	
			Art Unit	2629	
			Examiner Name	Chow, Doon Y.	
Sheet	6	of	33	Attorney Docket Number	F2811

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	116	US-5,182,796	01-26-1993	Shibayama, et al.	
	117	US-5,183,998	02-02-1993	Hoffman, et al.	
	118	US-5,184,830	02-09-1993	Okada, et al.	
	119	US-5,189,355	02-23-1993	Larkins, et al.	
	120	US-5,196,782	03-23-1993	D'aleo, et al.	
	121	US-5,200,597	04-06-1993	Eastman	
	122	US-5,203,563	04-20-1993	Loper	
	123	US-5,207,426	05-04-1993	Inque, et al.	
	124	US-5,222,400	06-29-1993	Hilton	
	125	US-5,231,386	07-27-1993	Brandenburg, et al.	
	126	US-5,237,311	08-17-1993	Mailey, et al.	
	127	US-5,250,930	10-05-1993	Yoshida, et al.	
	128	US-5,252,952	10-12-1993	Frank, et al.	
	129	US-5,259,626	11-09-1993	Ho	
	130	US-5,264,768	11-23-1993	Gregory, et al.	
	131	US-5,271,290	12-21-1993	Fischer	
	132	US-D342,740	12-28-1993	Parker	
	133	US-5,278,557	01-11-1994	Stokes, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	134	JP 658419	03-01-1994	Texas Instruments Inc.		
	135	WO 9318475	12-31-1996	Armstrong		
	136	EP 0451676 A1	10-16-1991	Nokia Unterhaltungselektronik		
	137	DE 4011636	10-24-1991	Nokia Unterhaltungselektronik		
	138	JP 4230918	08-19-1992	Nokia Unterhaltungselektronik		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>			Complete if Known Application Number 10/773,025 Filing Date February 4, 2004 First Named Inventor Armstrong Art Unit 2629 Examiner Name Chow, Doon Y. Attorney Docket Number F2811	
Sheet	7	of	33	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	139	US-5,280,926	01-25-1994	Sogge, et al.	
	140	US-5,287,089	02-15-1994	Parsons	
	141	US-5,286,024	02-15-1994	Winblad	
	142	US-5,293,158	03-08-1994	Soma	
	143	US-5,294,121	03-15-1994	Chiang	
	144	US-5,298,919	03-29-1994	Chang	
	145	US-5,311,779	05-17-1994	Teruo	
	146	US-5,313,229	05-17-1994	Gilligan, et al.	
	147	US-5,315,204	05-24-1994	Park	
	148	US-5,327,201	07-05-1994	Coleman, et al.	
	149	US-5,329,276	07-12-1994	Hirabayashi	
	150	US-5,333,057	07-26-1994	Morikawa, et al.	
	151	US-5,345,807	09-13-1994	Butts, et al.	
	152	US-5,349,371	09-20-1994	Fong	
	153	US-5,355,352	10-11-1994	Kobayashi, et al.	
	154	US-5,364,108	11-15-1994	Esnouf	
	155	US-5,365,494	11-15-1994	Lynch	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
		Country Code ² - Number ² - Kind Code ² (if known)				
	156	AU 544234	05-23-1985	Eventoff		
	157	CA 1143030	03-15-1983	Eventoff		
	158	CA 1153801	09-13-1983	Eventoff		
	159	CA 1161921	02-07-1984	Eventoff		
	160	CA 1153577	09-13-1983	Eventoff		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;">(Use as many sheets as necessary)</p>			Complete if Known Application Number 10/773,025 Filing Date February 4, 2004 First Named Inventor Armstrong Art Unit 2629 Examiner Name Chow, Doon Y. Attorney Docket Number F2811		
Sheet	8	of	33		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	161	US-5,376,913	12-27-1994	Pine, et al.	
	162	US-5,386,084	01-31-1995	Risko	
	163	US-5,389,757	02-14-1995	Souliere	
	164	US-5,391,083	02-21-1995	Roebuck, et al.	
	165	US-D355,901	02-28-1995	Bradley	
	166	US-5,394,168	02-28-1995	Smith, III, et al.	
	167	US-5,396,235	03-07-1995	Maeshima	
	168	US-5,396,225	03-07-1995	Okada, et al.	
	169	US-5,399,823	03-21-1995	McCusker	
	170	US-5,419,613	05-30-1995	Wedeking	
	171	US-5,440,237	08-08-1995	Brown, et al.	
	172	US-5,452,615	09-26-1995	Hilton	
	173	US-5,457,478	10-10-1995	Frank	
	174	US-5,459,487	10-17-1995	Bouton	
	175	US-5,467,108	11-14-1995	Mimlitch	
	176	US-5,487,053	01-23-1996	Beiswenger, et al.	
	177	US-5,499,041	03-12-1996	Brandenburg, et al.	
	178	US-5,508,719	04-16-1996	Gervais	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1 ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
	179	CA	1153802	09-13-1983	Eventoff		
	180	CA	1153803	09-13-1983	Eventoff		
	181	DE	3044384	08-27-1981	Eventoff		
	182	FR	2470435	05-28-1981	Eventoff		
	183	GB	2064873	06-17-1981	Eventoff		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449/APTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet 9 of 33

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	184	US-5,510,812	04-23-1996	O'Mara, et al.	
	185	US-5,512,892	04-30-1996	Corballis	
	186	US-5,517,211	05-14-1996	Kwang-Chien	
	187	US-5,528,265	06-18-1996	Harrison	
	188	US-5,530,455	06-25-1996	Gillick, et al.	
	189	US-5,541,622	07-30-1996	Engle, et al.	
	190	US-5,543,781	08-06-1996	Ganuchau, Jr., et al.	
	191	US-5,550,339	08-27-1996	Haugh	
	192	US-5,552,799	09-03-1996	Hashiguchi	
	193	US-5,551,693	09-03-1996	Goto, et al.	
	194	US-5,555,004	09-10-1996	Ono, et al.	
	195	US-5,559,432	09-24-1996	Logue	
	196	US-5,565,891	10-15-1996	Armstrong	
	197	US-5,564,560	10-15-1996	Minelli, et al.	
	198	US-5,589,828	12-31-1996	Armstrong	
	199	US-5,591,924	01-07-1997	Hilton	
	200	US-5,602,569	02-11-1997	Kato	
	201	US-5,606,594	02-25-1997	Register, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	202	GB 2134320	08-08-1984	Eventoff		
	203	GB 2134321	08-08-1984	Eventoff		
	204	GB 213422	08-08-1984	Preston, et al.		
	205	IT 1143185	10-22-1986	Eventoff		
	206	JP 5196524	08-06-1993	Eventoff		

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet 10 of 33

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	207	US-5,607,158	03-04-1997	Chan	
	208	US-5,615,083	03-25-1997	Burnett	
	209	US-5,640,566	06-17-1997	Victor, et al.	
	210	US-5,644,113	07-01-1997	Date, et al.	
	211	US-D381,982	08-05-1997	Zeitman	
	212	US-5,657,051	08-12-1997	Liao	
	213	US-5,659,334	08-19-1997	Yaniger, et al.	
	214	US-4,045,650	08-30-1977	Nestor	
	215	US-5,670,955	09-23-1997	Thorn, et al.	
	216	US-5,670,988	09-23-1997	Tickle	
	217	US-5,669,818	09-23-1997	Thorner, et al.	
	218	US-5,673,237	09-30-1997	Blank	
	219	US-5,675,329	10-07-1997	Barker, et al.	
	220	US-5,675,309	10-07-1997	Devolpi	
	221	US-5,675,359	10-07-1997	Anderson	
	222	US-5,684,759	11-04-1997	Huang, et al.	
	223	US-5,687,080	11-11-1997	Hoyt, et al.	
	224	US-5,689,285	11-18-1997	Asher	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	225	JP 6058276	08-03-1994	Daikin Ind. Ltd.		
	226	JP 2108444	11-06-1996	Kawasaki Steel Corp.		
	227	JP 5197381	08-06-1993	Eventoff		
	228	JP 6101567	12-12-1994	Riken Corp.		
	229	JP 1125871	05-18-1989	Eventoff		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet	11	of	33
-------	----	----	----

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	230	US-5,706,027	01-08-1998	Hilton, et al.	
	231	US-5,704,612	01-08-1998	Kelly et al.	
	232	US-5,718,274	02-10-1998	Goto, et al.	
	233	US-5,738,352	04-14-1998	Ohkubo, et al.	
	234	US-5,749,577	05-12-1998	Couch, et al.	
	235	US-5,764,219	06-09-1998	Rutledge, et al.	
	236	US-5,767,840	06-16-1998	Selker	
	237	US-5,767,839	06-16-1998	Rosenberg	
	238	US-5,767,840	06-16-1998	Selker	
	239	US-5,774,109	06-30-1998	Winsky, et al.	
	240	US-5,778,404	07-07-1998	Capps, et al.	
	241	US-5,781,807	07-14-1998	Glassgold, et al.	
	242	US-5,790,102	08-04-1998	Nassima	
	243	US-5,805,138	09-08-1998	Brawne, et al.	
	244	US-5,812,114	09-22-1998	Loop	
	245	US-5,815,139	09-29-1998	Yoshikawa	
	246	US-5,828,363	10-27-1998	Yaniger, et al.	
	247	US-5,831,596	11-03-1998	Marshall, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ³
		Country Code ⁴ - Number ⁵ - Kind Code ⁶ (if known)				
	248	JP 5022398	03-29-1993	Canon Inc.		
	249	NL 8006409	06-16-1981	Eventoff		
	250	SE 452925	12-21-1987	Eventoff		
	251	SE 8008205	05-27-1981	Eventoff		
	252	JP 2049029	10-26-1990	Nippon Telegraph & Telephone Corp.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		Complete if Known Application Number 10/773,025 Filing Date February 4, 2004 First Named Inventor Armstrong Art Unit 2629 Examiner Name Chow, Doon Y. Attorney Docket Number F2811	
Sheet	12	of	33

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	253	US-5,835,977	11-10-1998	Kamentser, et al.	
	254	US-4,786,764	11-22-1988	Padula, et al.	
	255	US-5,847,305	12-08-1998	Yoshikawa, et al.	
	256	US-5,847,639	12-08-1998	Yaniger	
	257	US-5,847,694	12-08-1998	Redford, et al.	
	258	US-5,847,698	12-08-1998	Reavy, et al.	
	259	US-5,854,624	12-29-1998	Grant	
	260	US-5,853,326	12-29-1998	Goto, et al.	
	261	US-5,854,622	12-29-1998	Brannon	
	262	US-5,867,808	02-02-1999	Selker, et al.	
	263	US-5,872,521	02-16-1999	Lopatukin, et al.	
	264	US-5,883,619	03-16-1999	Ho, et al.	
	265	US-5,889,236	03-30-1999	Gillespie, et al.	
	266	US-5,889,507	03-30-1999	Engle, et al.	
	267	US-5,895,471	04-20-1999	King et al.	
	268	US-5,898,359	04-27-1999	Ellis	
	269	US-5,898,425	04-27-1999	Sekine	
	270	US-5,909,207	06-01-1999	Ho	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
		Country Code ³ - Number ³ - Kind Code ³ (if known)				
	271	JP 56108279	08-27-1981	Eventoff		
	272	WO 9304348	03-04-1993	Spaceball Technologies Inc.		
	273	DE 3687571 T	03-04-1993	Spatial Systems Party Ltd.		
	274	EP 0227432	07-01-1987	Hilton		
	275	JP 62177426	08-04-1987	Spatial Systems Party Ltd.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. §Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. **Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ††Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet	13	of	33
-------	----	----	----

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	276	US-5,910,798	06-08-1999	Kim	
	277	US-5,910,882	06-08-1999	Burrell	
	278	US-5,917,779	06-29-1999	Ralson, et al.	
	279	US-5,923,317	07-13-1999	Sayler, et al.	
	280	US-5,923,267	07-13-1999	Beuk, et al.	
	281	US-5,943,044	08-24-1999	Martinelli, et al.	
	282	US-5,948,066	09-07-1999	Whalen, et al.	
	283	US-5,952,631	09-14-1999	Miyaki	
	284	US-5,963,196	10-05-1999	Nishiumi et al.	
	285	US-5,966,117	10-12-1999	Seffernick, et al.	
	286	US-5,974,238	10-26-1999	Chase	
	287	US-5,973,668	10-26-1999	Watanabe	
	288	US-5,983,004	11-09-1999	Shaw, et al.	
	289	US-5,984,785	11-16-1999	Takeda, et al.	
	290	US-5,991,594	11-23-1999	Freder, et al.	
	291	US-5,995,026	11-30-1999	Sellers	
	292	US-5,995,319	11-30-1999	Tanigawa, et al.	
	293	US-5,999,084	12-07-1999	Armstrong	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	294	GB 2133957 A	08-01-1984	International Computers Ltd.		
	295	CN 1202254	12-16-1998	Synaptics Inc.		
	296	EP 0861462	09-02-1998	Synaptics Inc.		
	297	AU 557120	12-04-1986	International Computers Ltd.		
	298	AU 2379484	08-02-1984	International Computers Ltd.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet	14	of	33
-------	----	----	----

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	299	US-5,999,808	12-07-1999	Ladue	
	300	US-6,001,014	12-14-1999	Ogata, et al.	
	301	US-6,004,210	12-21-1999	Shinohara	
	302	US-6,020,884	02-01-2000	MacNaughton, et al.	
	304	US-6,027,828	02-22-2000	Hahn	
	305	US-6,037,954	03-14-2000	McMahon	
	306	US-6,040,821	03-21-2000	Franz, et al.	
	307	US-6,049,812	04-11-2000	Bertram, et al.	
	308	US-6,049,323	04-11-2000	Rockwell, et al.	
	309	US-6,059,660	05-09-2000	Takada, et al.	
	310	US-6,060,701	05-09-2000	McKee, et al.	
	311	US-6,064,766	05-16-2000	Sklarew	
	312	US-6,067,005	05-23-2000	Devolpi	
	313	US-6,067,863	05-30-2000	Favre, et al.	
	314	US-6,072,469	06-06-2000	Chen, et al.	
	315	US-6,073,034	06-06-2000	Jacobsen, et al.	
	316	US-6,102,802	08-15-2000	Armstrong	
	317	US-6,112,014	08-29-2000	Kane	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	318	ZA 8400356	08-29-1984	International Computers Ltd.		
	319	GB 2205941 A	12-21-1988	IBM Corp.		
	320	GB 2240614 A	08-07-1991	Dzholdasbekov, et al.		
	321	GB 2113920 A	08-10-1983	Alps Electric Co., Ltd.		
	322	DE 19519941 C1	03-13-1997	Wergen		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet 15 of 33

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	323	US-6,118,979	09-12-2000	Powell	
	324	US-6,124,845	09-26-2000	Toda, et al.	
	325	US-6,135,886	10-24-2000	Armstrong	
	326	US-6,153,843	11-28-2000	Date, et al.	
	327	US-6,157,935	12-05-2000	Tran, et al.	
	328	US-6,157,381	12-05-2000	Bates, et al.	
	329	US-6,178,338	01-23-2001	Yamagishi, et al.	
	330	US-6,177,926	01-23-2001	Kunert	
	331	US-6,185,158	02-06-2001	Ito, et al.	
	332	US-6,198,473	03-06-2001	Armstrong	
	334	US-6,198,948	03-06-2001	Sudo, et al.	
	335	US-6,198,472	03-06-2001	Lecton, et al.	
	336	US-6,208,271	03-27-2001	Armstrong	
	337	US-6,222,525	04-24-2001	Armstrong	
	338	US-6,231,444	05-15-2001	Goto, et al.	
	339	US-6,239,786	05-29-2001	Buray, et al.	
	340	US-6,256,011	07-03-2001	Culver	
	341	US-6,262,406	07-17-2001	McKee, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	342	EP 0438919 A2	07-31-1991	British Aerospace PLC		
	343	EP 0816298 A1	09-21-1994	Matsushita Electric Industrial Co., Ltd.		
	344	JP 587760	11-28-1993	Mitsumi		
	345	JP 7302159	11-14-1995	Sega Enterprises, Ltd.		
	346	DE 3031484	11-04-1982	Grundig EMV		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/773,025</td> </tr> <tr> <td>Filing Date</td> <td>February 4, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Armstrong</td> </tr> <tr> <td>Art Unit</td> <td>2629</td> </tr> <tr> <td>Examiner Name</td> <td>Chow, Doon Y.</td> </tr> <tr> <td>Attorney Docket Number</td> <td>F2811</td> </tr> </table>		Application Number	10/773,025	Filing Date	February 4, 2004	First Named Inventor	Armstrong	Art Unit	2629	Examiner Name	Chow, Doon Y.	Attorney Docket Number	F2811
Application Number	10/773,025														
Filing Date	February 4, 2004														
First Named Inventor	Armstrong														
Art Unit	2629														
Examiner Name	Chow, Doon Y.														
Attorney Docket Number	F2811														
Sheet	16	of	33												

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	347	US-6,275,138	08-14-2001	Maeda	
	348	US-6,285,356	09-04-2001	Armstrong	
	349	US-6,310,606	10-30-2001	Armstrong	
	350	US-6,321,158	11-20-2001	Delorme, et al.	
	351	US-6,326,948	12-04-2001	Kobachi, et al.	
	352	US-6,343,991	02-05-2002	Armstrong	
	353	US-6,344,791	02-05-2002	Armstrong	
	354	US-6,347,997	02-19-2002	Armstrong	
	355	US-6,351,205	02-26-2002	Armstrong	
	356	US-6,352,477	03-05-2002	Soma, et al.	
	357	US-6,400,303	06-04-2002	Armstrong	
	358	US-6,415,707	06-09-2002	Armstrong	
	359	US-6,404,584	06-11-2002	Armstrong	
	360	US-6,422,941	07-23-2002	Thomer, et al.	
	361	US-6,424,336	07-23-2002	Armstrong	
	362	US-6,456,778	09-24-2002	Armstrong	
	363	US-6,469,691	10-22-2002	Armstrong	
	364	US-6,470,078	10-22-2002	Armstrong	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ² - Number ² - Kind Code ² (if known)				
	365	DE 3634912	04-28-1988	Link KG J		
	366	DE 4019211	01-03-1991	Lutron Electronics Co.		
	367	DE 19606408	08-28-1997	Contelec AG		
	368	EP 0337458	10-18-1989	Namco Ltd.		
	369	EP 0579448	01-19-1994	Texas Instruments Inc.		

Examiner Signature	Date Considered	
--------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet 17 of 33

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	370	US-6,496,449	12-17-2002	Armstrong	
	371	US-6,504,527	01-07-2003	Armstrong	
	372	US-6,518,953	02-11-2003	Armstrong	
	373	US-6,524,187	02-25-2003	Komata	
	374	US-6,529,185	03-04-2003	Armstrong	
	375	US-6,532,000	03-11-2003	Armstrong	
	376	US-6,538,638	03-25-2003	Armstrong	
	377	US-6,559,831	05-06-2003	Armstrong	
	378	US-6,563,415	05-12-2003	Armstrong	
	379	US-6,424,333	07-23-2003	Tremblay, et al.	
	380	US-6,275,213	08-14-2001	Tremblay, et al.	
	381	US-5,367,631	11-22-1994	Levy	
	382	US-5,392,337	02-21-1995	Baals	
	383	US-5,640,152	06-17-1997	Copper	
	384	US-4,323,888	04-06-1982	Cole	
	385	US-5,485,171	01-16-1996	Copper, et al.	
	386	US-5,714,983	02-03-1998	Sacks	
	387	US-5,258,748	11-02-1993	Jones	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
	388	EP 1080753	03-07-2001	Narmco Ltd.		
	389	GB 2058462	04-08-1981	Shinetsu Polymer Co.		
	390	GB 2233499 A	01-09-1991	Mitsubishi		
	391	GB 2267392 A	12-01-1993	Collins		
	392	GB 2308448	06-25-1997	Samsung Display Device Co. Ltd.		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 18 of 33

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	393	US-6,239,790	05-29-2001	Martinelli, et al.	
	394	US-5,841,078	11-24-1998	Miller, et al.	
	395	US-5,648,642	07-15-1997	Miller, et al.	
	396	US-6,239,389	05-29-2001	Allen, et al.	
	397	US-5,495,077	02-27-1996	Miller, et al.	
	398	US-5,543,588	08-06-1996	Bisset, et al.	
	399	US-5,861,583	01-19-1999	Schediwy, et al.	
	400	US-5,880,411	03-09-1999	Gillespie, et al.	
	401	US-5,942,733	08-24-1999	Allen, et al.	
	402	US-5,543,591	08-06-1996	Gillespie, et al.	
	403	US-6,028,271	02-22-2000	Gillespie, et al.	
	404	US-5,488,204	01-30-1996	Mead, et al.	
	405	US-5,374,787	12-20-1994	Miller, et al.	
	406	US-5,914,465	06-22-1999	Allen, et al.	
	407	US-5,543,590	08-06-1996	Gillespie, et al.	
	408	US-5,043,721	08-27-1991	May, et al.	
	409	US-5,675,524	10-07-1997	Bernard, et al.	
	410	US-2002/0036660	03-28-2002	Adan, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	411	JP 60175401	09-09-1985	Asahi Chemical Ind.		
	412	JP 62160623	07-16-1987	Yamatate Honeywell Co. Ltd.		
	413	JP 2158105	06-18-1990	Yokohama Rubber Co. Ltd.		
	414	JP 3108701	05-08-1991	Canon Inc.		
	415	EP 0952555 A1	10-27-1999	Sega Enterprises, Ltd.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/773,025	
			Filing Date	February 4, 2004	
			First Named Inventor	Armstrong	
			Art Unit	2629	
			Examiner Name	Chow, Doon Y.	
Sheet	19	of	33	Attorney Docket Number	F2811

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	416	US-2001/0009037	07-19-2001	Komata	
	417	US-2001/0040585	11-15-2001	Hartford et al.	
	418	US-2002/0122027	09-05-2002	Kim	
	419	US-4,916,262	04-1990	Jungels-Butler, et al.	
	420	US-5,729,249	03-1998	Yasutake	
	421	US-5,659,334	08-1997	Yansiger, et al.	
	422	US-6,004,134	12-1999	Marcus, et al.	
	423	US-5,138,119	08-1992	Demeo	
	424	US-5,349,370	09-20-1994	Katayama, et al.	
	425	US-5,049,079	09-17-1991	Furtado, et al.	
	426	US-5,687,331	11-11-1997	Volk, et al.	
	427	US-5,542,039	07-30-1996	Brinson, et al.	
	428	US-4,850,591	07-25-1989	Takezawa	
	429	US-6,217,444	04-17-2001	Kataoka, et al.	
	430	US-6,007,423	12-28-1999	Nakamura	
	431	US-5,184,120	02-02-1993	Sehltz	
	432	US-5,555,894	09-17-1996	Doyama, et al.	
	433	US-5,673,066	09-30-1997	Toda, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	434	EP 0852981 A1	07-15-1998	Konami Co., Ltd.		
	435	WO 0152042	07-19-2001	Sony Computer Entertainment Inc.		
	436	TW 288636	10-11-1996	Primax Electronic Ltd.		
	437	TW 369431	09-11-1999	Sony Computer Entertainment, Inc.		
	438	WO 9307606	04-15-1993	Copper, et al.		

Examiner Signature	Date Considered	
-----------------------	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/773,025	
			Filing Date	February 4, 2004	
			First Named Inventor	Armstrong	
			Art Unit	2829	
			Examiner Name	Chow, Doon Y.	
Sheet	20	of	33	Attorney Docket Number	F2811

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	439	US-5,853,324	12-29-1998	Kami, et al.	
	440	US-6,146,278	11-14-2000	Kobayashi	
	441	US-6,031,516	02-29-2000	Leiper	
	442	US-6,041,068	03-21-2000	Rosengren, et al.	
	443	US-5,358,259	10-25-1994	Best	
	444	US-6,147,674	11-14-2000	Rosenberg, et al.	
	445	US-6,225,976	05-01-2001	Yates, et al.	
	446	US-6,322,448	11-27-2001	Kaku, et al.	
	447	US-6,414,996	07-02-2002	Owen, et al.	
	448	US-6,400,353	06-04-2002	Ikahara, et al.	
	449	US-4,713,007	12-15-1987	Alban	
	450	US-6,155,926	12-05-2000	Miyamoto, et al.	
	451	US-6,028,531	02-22-2000	Wanderlich	
	452	US-5,999,168	12-07-1999	Rosenberg, et al.	
	453	US-5,808,540	09-15-1998	Wheeler, et al.	
	454	US-5,619,180	04-08-1997	Massimino, et al.	
	455	US-4,503,705	03-12-1985	Polchaninoff	
	456	US-4,756,076	07-12-1988	Dyben, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	457	JP 140545	04-12-1989			
	458	JP 5326217	12-10-1993	Mitsumi Electric Co. Ltd.		
	459	JP 63029113	08-16-1989	Yamaha Corp.		
	460	EP 0470615	02-12-1992	Nintendo Co. Ltd.		
	461	AU 845482	01-13-1994	Nintendo Co. Ltd.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/773,025	
			Filing Date	February 4, 2004	
			First Named Inventor	Armstrong	
			Art Unit	2829	
			Examiner Name	Chow, Doon Y.	
Sheet	21	of	33	Attorney Docket Number	F2811

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	462	US-4,845,457	07-04-1989	Nakanishi	
	463	US-4,998,511	02-28-1991	Ohkawa, et al.	
	464	US-3,986,254	10-19-1976	Nordstrom	
	465	US-4,640,137	02-03-1987	Trull, et al.	
	466	US-4,715,235	12-29-1987	Fukui, et al.	
	467	US-4,729,809	03-08-1988	Dery, et al.	
	468	US-5,453,727	09-28-1995	Shibasaki, et al.	
	469	US-4,428,884	01-24-1984	Polchaninoff	
	470	US-4,794,365	12-27-1988	Dunbar	
	471	US-4,994,781	02-19-1991	Sahagen	
	472	US-5,455,556	10-03-1995	Ohm, et al.	
	473	US-4,257,305	03-24-1981	Friend, et al.	
	474	US-4,481,815	11-13-1984	Overton	
	475	US-4,837,548	06-06-1989	Lodini	
	476	US-5,635,683	06-03-1997	McDermott, et al.	
	477	US-5,406,852	04-18-1995	Hiraka, et al.	
	478	US-5,528,214	06-18-1996	Koga, et al.	
	479	US-4,706,505	11-17-1987	King	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	480	AU 8142891	02-13-1992	Nintendo Co. Ltd.		
	481	CA 2048167	02-10-1992	Nintendo Co. Ltd.		
	482	CN 1058728	12-19-1992	Nintendo Co. Ltd.		
	483	DE 69114400 T	12-14-1995	Nintendo Co. Ltd.		
	484	ES 2079529	01-16-1996	Nintendo Co. Ltd.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

(Use as many sheets as necessary)

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet	22	of	33
-------	----	----	----

[illegible]

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	493	HK 30195	03-17-1995	Nintendo Co. Ltd.		
	494	GB 2247107	08-07-1991	Nintendo Co. Ltd.		
	495	KR 9705724	06-11-1997	Burr Brown Corp.		
	496	MX 9100564	04-01-1992	Nintendo Co. Ltd.		
	497	DE 3543890	06-19-1987	Thomas Brandt GMBH		

Date _____
Considered _____

This collection of information is required by CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

F2811

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Complete if Known

(Use as many sheets as necessary)

33

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

[illegible]

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ^a - Number ^a - Kind Code ^b (if known)				
	503	EP 0403054	12-19-1990	Quantel Ltd.		
	504	JP 11009837	01-19-1999	Taito Corp.		
	505	DE 4004760	08-22-1991	Univ Kazakhsy		
	506	JP 4077335	03-11-1992	NKK Corp.		
	507	JP 63318623	12-27-1991	IBM Corp.		

Date
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet	25	of	33	Attorney Docket Number	F2811
-------	----	----	----	------------------------	-------

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code* - Number* - Kind Code* (if known)				
508	EP 0196624		01-29-1986	Nippon		
509	EP 0050231		04-28-1982	Bosch Siemens Hausgerate		
510	CA 1203738		04-29-1986	CAE Electronics Ltd.		
511	WO 9522828		08-24-1995	Interlink Electronic		
512	JP 1976280		10-17-1995	Eventoff		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

(Use as many sheets as necessary)

Attorney Docket Number	F2811
------------------------	-------

Sheet	27	of	33
-------	----	----	----

[illegible]

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7 ^b
		Country Code ^a - Number ^a - Kind Code ^a (if known)				
	517	JP 6511340 T	12-15-1994	Copper, et al.		
	518	EP 0606388	07-20-1994	Copper, et al.		
	519	CA 120502	04-15-1993	Copper, et al.		
	520	AU 2780892	05-03-1993	Copper, et al.		
	521	AU 667688	04-04-1996	Copper, et al.		

Examiner
Signature

Date
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

(Use as many sheets as necessary)

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet 29 of 33

[illegible]

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Y ^o
		Country Code ^a - Number ^a - Kind Code ^b (if known)				
	527	JP 10505183 T	05-19-1998	Allen, et al.		
	528	EP 0777888	06-11-1997	Allen, et al.		
	529	AU 3544495	03-27-1996	Allen, et al.		
	530	WO 9607966	03-14-1996	Allen, et al.		
	531	KR 264640	10-02-2000	Allen, et al.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the pu which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/773,025	
			Filing Date	February 4, 2004	
			First Named Inventor	Armstrong	
			Art Unit	2629	
			Examiner Name	Chow, Doon Y.	
Sheet	32	of	33	Attorney Docket Number	F2811

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	542	"Universal Serial Bus (USB), Device Class Definition for Human Devices, Firmware Specification," draft manual version 1.1, October 14, 1998, printed from website www.usb.org in November 1998.	
	543	NAMCO, CO., Photographs of game controller and written description of handheld controller for video games has a button to drive a gear and rotate a rotary potentiometer which creates an analog signal change based on positional change; to be considered prior art to some of Applicants claims.	
	544	"Mouse Ball-Actuating Device with Force and Tactile Feedback", IBM Disclosure Bulletin, Feb. 1990, vol. 32, no. 9B, pp. 230-235.	
	545	"Research Disclosures", Nov. 1987, vol. 283, "Joystick with Tactile Feedback".	
	546	SIVA, K.V., "Development of a General Purpose Hand Controller for Advanced Teleoperation", Article, July 1988, Harwell Laboratory, UK.	
	547	KAMBIC, S.F., "Keyboard Switch with Stroke and Feedback Enhancement Using Vertically Conducting Elastomer in a Laterally Conducting Mode", IBM Technical Disclosure Bulletin, October 1977, vol. 20, no., 5, pp. 1833-1834.	
	548	"Questel-Orbit QWEB", Web search results, December 1999, pp. 1-24 including short descriptions and abstracts.	
	549	LOGITECH, INC., "Cyberman 3D Controller", Advertisement, 1993, Logitech, Inc., Fremont, CA, USA.	
	550	LOGITECH, INC., "Cyberman 3D Controller" detailed photographs and description of the photographs.	
	551	"Flightstick Pro" joystick, CH Products, San Marcos, California, a joystick which uses a gympal and rotary potentiometers, the joystick is prior art sold in stores.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449B/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	10/773,025
Filing Date	February 4, 2004
First Named Inventor	Armstrong
Art Unit	2629
Examiner Name	Chow, Doon Y.
Attorney Docket Number	F2811

Sheet	33	of	33
-------	----	----	----

NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

USPTO collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a patent benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.